

Table S2: data collection and refinement statistics

| Protein | Fic-1 130-508 | Fic-1 (E274G) 130-508 |
|--|--------------------------|------------------------------|
| Organism | <i>C. elegans</i> | <i>C. elegans</i> |
| Data collection | | |
| Space group | R32 | R32 |
| a, b, c (Å) | 192.2, 192.2, 182.5 | 193.0, 193.0, 182.7 |
| α , β , γ (°) | 90.0, 90.0, 120.0 | 90.0, 90.0, 120.0 |
| Resolution range (Å) | 123.0 – 2.9 (3.0 – 2.9) | 96.5 – 3.7 (3.9 – 3.7) |
| Total reflections | 176904 | 93499 |
| Unique reflections | 28518 | 13578 |
| Completeness (%) | 99.0 (97.6) ¹ | 100.0 (99.2) |
| Redundancy | 6.3 (5.5) | 6.9 (6.6) |
| R _{sym} (%) | 17.1 (>100) | 19.2 (91.5) |
| R _{p.i.m.} (%) | 8.8 (70.2) | 7.7 (37.0) |
| I/ σ | 17.0 (1.3) | 11.5 (2.0) |
| CC _{1/2} (%) | 99.6 (57.4) | 99.7 (70.2) |
| Refinement | | |
| Resolution range (Å) | 123.0 – 2.9 | 96.5 – 3.7 |
| R _{work} / R _{free} (%) | 20.6 / 25.5 | 20.4 / 24.5 |
| CC _{work} / CC _{free} (%) ² | 84.0 / 71.0 | 81.0 / 76.0 |
| Coordinate error (Å) | 0.39 | 0.46 |
| Number of reflections | | |
| Total | 27933 | 13522 |
| R _{free} reflections | 1749 | 1348 |
| Number of non-hydrogen atoms | 5066 | 5066 |
| Protein atoms | 5056 | 5056 |
| Water atoms | 10 | 10 |
| R.m.s. deviations | | |
| Bond lengths (Å) | 0.009 | 0.003 |
| Bond angles (°) | 1.462 | 0.674 |
| Average B factors (Å ²) | 68.2 | 109.4 |
| Protein | 67.0 | 109.4 |
| Water | 35.4 | 81.7 |
| Ramachandran (%) | | |
| Favored (%) | 95.2 | 93.9 |
| Allowed (%) | 4.0 | 5.4 |
| Outlier (%) | 0.8 | 0.8 |

| | | |
|-----------------------|------|------|
| Clash score | 9.6 | 9.0 |
| MolProbity score | 2.1 | 2.3 |
| MolProbity percentile | 98th | 99th |

¹ values in brackets are for the highest resolution shell comprising 10% of all data

² $CC_{\text{work}}/CC_{\text{free}}$ are only reported for the highest resolution shell [1].

References

1. Diederichs K, Karplus PA. Better models by discarding data? *Acta Crystallogr D Biol Crystallogr.* 2013;69(Pt 7):1215-22. doi: 10.1107/S0907444913001121. PubMed PMID: 23793147; PubMed Central PMCID: PMC3689524.